DELL Technologies

30 YEARS OF IMPACT:

Purpose-built breakthroughs from PowerEdge

We are celebrating **three decades** of PowerEdge servers setting industry benchmarks for reliability, performance, and innovation. We have consistently responded to our customer and industry challenges with continuous advancements in server technology from PowerEdge, ensuring **you're always equipped to meet the future head-on.**

1994 PowerEdge debuts, marking Dell's response to shifting customer needs, moving from client-focused computing to enterprise-level infrastructure solutions

32x

Since 2011, PowerEdge servers achieved up to 32x the CPU performance with less than 3x increase in CPU TDP. That's up to 1,000% improvement in CPU performance per watt.[1]

2001 Titanium based PowerEdge launched, setting new benchmarks for operational efficiency

By offering **configurability** and **peak performance** at its core, **we empower businesses to tailor their infrastructure precisely**, catalyzing their growth and enabling them to navigate market demands with agility.

2002 Pioneering 1655 blade technology scales computing, minimizes footprint

2003 Introduction of OME/Management Consoles, revolutionizing remote system management efficiency

2006 Industry-first tool-less chassis and rails simplify and speed installation and maintenance

2007 Launch of Energy Smart solutions, prioritizing power efficiency

14%

Dell PowerEdge Energy Smart servers use up to 14% less energy at peak performance over similarly configured servers.[2]

SUSTAINABILITY

For 30 years our energy-conscious designs mean you can push the boundaries of technology while maintaining a commitment to environmental stewardship.

Project Triton

Dell designs custom liquid cooling solutions for eBay data centers.[3]

SCALABILITY

With PowerEdge's adaptable server solutions, your business can smoothly scale operations, adapting to market changes and growth opportunities without missing a beat.

2010 Fresh Air advanced cooling debuts, and along with improved operations, helps achieve 1.03 PUE

$100k Fresh Air started saving Dell customers more than $100k per year per megawatt of IT.[4]

2010 **Industry innovation by Dell**
FlexMem Bridge doubled the amount of memory to a processor

50% Dell FlexMem Bridge helps save 50% on virtualization licensing.[5]

2012 iDRAC agent free management lets IT admins monitor servers without extra software

2013 VRTX offers a compact, integrated server/storage/networking solution for small businesses

Late 2010s The M1000e Blade chassis integrates servers for efficient scaling and easy simplified management

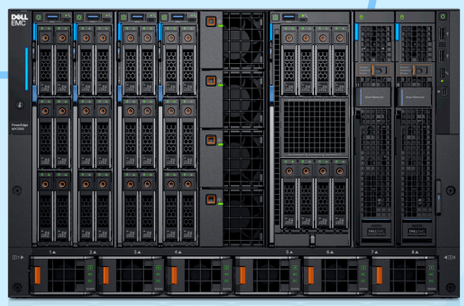
M1000e Chassis
"Most Power Efficient Chassis"[6]

INTELLIGENT

Leverage PowerEdge's sustainable innovation to not just keep pace but lead in your industry, transforming operations into models of efficiency and foresight.

PERFORMANCE

PowerEdge delivers unmatched reliability and server speed, ensuring your operations run seamlessly and efficiently, even under the most demanding conditions.



2018 Modular meets kinetic architecture with PowerEdge MX7000

41% Future on the edge? 41% of IT decision-makers believe edge is the cornerstone of their IT strategy.[7]

2021-2022 Dell advances edge computing with purpose-built, rugged short-depth servers

CYBER-RESILIENT

Fortify your business operations against threats with our steadfast dedication to data protection, ensuring peace of mind and the security of your most valuable digital assets.

2024 XE9680 has silicon diversity for faster time to market, GPU density, next-gen processing, and high-speed storage to support today's needs for AI optimization and accelerated computing

As PowerEdge enters its fourth decade, we celebrate its trailblazing legacy, a history marked by pioneering firsts that have empowered businesses with cutting-edge solutions.

NAVIGATING THE NEXT 30

With a 30 year foundation of purpose-built innovation, sustainability, and cyber resilience, Dell PowerEdge is poised for the future. Dell will continue to respond to customer and market needs, delivering acceleration through intelligent solutions in AI, hyper computing, and sustainable solutions. We are excited to help our customers prepare for whatever comes next in the industry's ongoing evolution.

Come be a part of the next computing era with Dell

PowerEdge will continue to deliver unmatched transformation and adaptability for what lies ahead.

Dell.com | #PowerEdge

[1] Internal analysis, March 2024. CPU performance results are publicly available on spec.org. Based on comparing the floating point rate performance and CPU TDP of the PowerEdge R710 with 2x Intel Xeon X5690 processors and PowerEdge R760 with 2x Intel Xeon Platinum 8592+ processors. Internally verified ratio used to convert CPU2006 results to CPU2017 results. Actual results may vary.

[2] Family_brochure_energy_eff_cn.pdf (dell.com)

[3] DCD, Dell reveals 'Project Triton' water cooling tech, in use by eBay, June 2, 2016.

[4] Dell Leading the Shift to "chiller-less" data centers with Fresh Air technology | Dell USA

[5] Dell FlexMem Bridge Helps Save 50% on Virtualization Licensing | Blades Made Simple

[6] New Study Shows Dell M1000e Chassis Most Power Efficient Chassis | Blades Made Simple

[7] Dell Blog, Navigating the Edge Computing Revolution: Peering into the Future, January 10, 2024

Copyright © 2024 Dell Inc. or its subsidiaries. All Rights Reserved. Dell Technologies, Dell and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be the property of their respective owners. Published in the USA 04/24. Dell Technologies believes the information in this document is accurate as of its publication date. The information is subject to change without notice.

DELL Technologies